

PTO/SB/08a (08-03)

Substitute for form 1449A/PTO

**INFORMATION DISCLOSURE  
STATEMENT BY APPLICANT**

(Use as many sheets as necessary)

Sheet 2 of 3**Complete if Known**

Application Number	10/634,162
Filing Date	August 5, 2003
First Named Inventor	Michael William Willson
Art Unit	1625
Examiner Name	Evelyn Mei Huang
Attorney Docket Number	PC 25239A

**U. S. PATENT DOCUMENTS**

Examiner Initials*	Cite No. <sup>1</sup>	Document Number Number-Kind Code <sup>2</sup> (if known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
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**FOREIGN PATENT DOCUMENTS**

Examiner Initials*	Cite No. <sup>1</sup>	Foreign Patent Document Country Code <sup>3</sup> Number <sup>4</sup> Kind Code <sup>5</sup> (if known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T <sup>6</sup>
<i>SM</i>		WO 01/12611 A1	02/22/2001	Blagg		
		WO 01/63244 A1	08/30/2001	Chen, et al.		
		WO 02/34726 A2/A3	05/02/2002	Noe, et al.		
<i>SM</i>		WO 02/34753 A2/A3	05/02/2002	Bronk, et al.		

Examiner Signature	<i>E. Huang</i>	Date Considered	<i>7/2/04</i>
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Substitute for form 1449B/PTO		<b>Complete if Known</b>			
<b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b>  (Use as many sheets as necessary)		Application Number	10/634,162		
		Filing Date	August 5, 2003		
		First Named Inventor	Michael William Wilson		
		Art Unit	1625		
		Examiner Name	Evelyn Mei Huang		
Sheet	3	of	4	Attorney Docket Number	PC 25239A

NON PATENT LITERATURE DOCUMENTS			
Examiner Initials*	Cite No. <sup>1</sup>	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T <sup>2</sup>
<i>SW</i>		BILLINGHURST, et al., Comparison of the Degradation of Type II Collagen and Proteoglycan in Nasal and Articular Cartilages Induced by Interleukin-1 and the Selective Inhibition of Type II Collagen Cleavage by Collagenase, Arthritis & Rheumatism, 2000; 43(3): 664-672	
		BILLINGHURST, et al., Enhanced Cleavage of Type II Collagen by Collagenases in Osteoarthritic Articular Cartilage, J. Clin Invest., 1997; 99(7): 1534-1545	
		CHEN, et al., Structure-Based Design of a Novel, Potent, and selective Inhibitor for MMP-13 Utilizing NMR Spectroscopy and Computer-Aided Molecular Design, J. Am. Chem. Soc., 2000; 122: 9648-9654	
		DAHLBERG, et al., Selective Enhancement of Collagenase-mediated Cleavage of Resident Type II Collagen in Cultured Osteoarthritic Cartilage and Arrest with a Synthetic Inhibitor that Spares Collagenase 1 (Matrix Metalloproteinase2), Arthritis & Rheumatism, 2000; 43(3): 673-682	
		GILIS, et al., 1H-tetrazol-5-yl derivatives of chemotherapeutic agents of the nalidizic acid type, Eur. J. Med. Chem., 1980;15(6):499-502	
		HARRIS, The Oxidation of N-(2-Pyridyl) Thioureas. The Synthesis of [1.2.4] Thiazadiazolo [2,3-a] Pyridinium Salts, Aust. J. Chem., 1972;25(5): 993-1001	
		HIROTA, et al., Novel Synthesis of Pyrido[3,4-d]pyrimidines, Pyrido[2,3-d]pyrimidines, and Quinazolines via Palladium-catalyzed Oxidative Coupling, Heterocycles, 1994; 37(1): 563-570	
		LEE, et al., Reactions of 3-Methylamino-5phenylthiophene with $\alpha,\beta$ -Unsaturated Esters and $\alpha,\beta$ -Unsaturated Nitriles, Journal of Heterocyclic Chemistry, 2000; 37: 363-372	
		LOVEJOY, et al., Crystal structures of MMP-1 AND -13 reveal the structural basis for selectivity of collagenase inhibitors, Nature Structural Biology, 1999; 6(3): 217-221	
<i>SW</i>		MITCHELL, et al., Cloning, Expression, and Type II Collagenolytic Activity of Matrix Metalloproteinase-13 from Human Osteoarthritic, Cartilage, J. Clin. Invest., 1996; 97: 761-768	

Examiner Signature	<i>E. Huang</i>	Date Considered	7/2/04
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EM		MOY, et al., High-resolution Solution Structure of the Catalytic Fragment of Human Collagenase-3 (MMP-3) Complexed with a Hydroxamic Acid Inhibitor, J. Mol. Biol., 2000; 302: 671-689	
EM		NEUHOLD, et al., Postnatal expression in hyaline cartilage of constitutively active human collagenase-3 (MMP-13) induces osteoarthritis in mice, J. Clin. Invest., 2001; 107(1): 35-44	
		<del>CrossFire Accession no. ("AN") BRN 5584935 (XP002260703) - Commulative - no copy</del>	
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EM		Office Action mailed June 16, 2003 in U.S.S.N. 10/264,764	
EM		Search Report from PCT/IB03/03523	

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